RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/510,189

Source: PCT

Date Processed by STIC: 1-26-06

ENTERED

```
        RAW SEQUENCE LISTING              DATE: 01/26/2006
        PATENT APPLICATION:  US/10/510,189    TIME: 09:05:14

        Input Set : A:\PTO.RJ.txt
        Output Set: N:\CRF4\01262006\J510189.raw


    3 <110> APPLICANT: Bavarian Nordic A/S
    5 <120> TITLE OF INVENTION: Recombinant poxvirus expressing homologous genes inserted
into the
    6       poxviral genome
    8 <130> FILE REFERENCE: BN 46 PCT
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/510,189
C--> 10 <141> CURRENT FILING DATE: 2004-09-30
    10 <160> NUMBER OF SEQ ID NOS: 21
    12 <170> SOFTWARE: PatentIn version 3.1
    14 <210> SEQ ID NO: 1
    15 <211> LENGTH: 39
    16 <212> TYPE: DNA
    17 <213> ORGANISM: Artificial
    19 <220> FEATURE:
    20 <223> OTHER INFORMATION: Primer
    22 <400> SEQUENCE: 1
    23 cgcggatcca tgctgaacat cttgaacagg agacgcaga            39
    26 <210> SEQ ID NO: 2
    27 <211> LENGTH: 21
    28 <212> TYPE: DNA
    29 <213> ORGANISM: Artificial
    31 <220> FEATURE:
    32 <223> OTHER INFORMATION: Primer
    34 <400> SEQUENCE: 2
    35 catgataaga gattgtatca g                              21
    38 <210> SEQ ID NO: 3
    39 <211> LENGTH: 80
    40 <212> TYPE: DNA
    41 <213> ORGANISM: Artificial
    43 <220> FEATURE:
    44 <223> OTHER INFORMATION: Primer
    46 <400> SEQUENCE: 3
    47 atgttgaaca taatgaacag gaggaaaaga tctgtgacca tgctcctcat gctgctgccc    60
    49 acagccctgg cgttccatct                                80
    52 <210> SEQ ID NO: 4
    53 <211> LENGTH: 26
    54 <212> TYPE: DNA
    55 <213> ORGANISM: Artificial
    57 <220> FEATURE:
    58 <223> OTHER INFORMATION: Primer
    60 <400> SEQUENCE: 4
    61 gattttgcta ttcagtggac tggatg                         26
    64 <210> SEQ ID NO: 5
    65 <211> LENGTH: 48
```

```
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial
 69 <220> FEATURE:
 70 <223> OTHER INFORMATION: Primer
 72 <400> SEQUENCE: 5
 73 ccttaatcga attctcatgt catggatggg gtaaccagca ttaatagt           48
 76 <210> SEQ ID NO: 6
 77 <211> LENGTH: 22
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Artificial
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Primer
 84 <400> SEQUENCE: 6
 85 gctcccattc aattcacatt gg                                       22
 88 <210> SEQ ID NO: 7
 89 <211> LENGTH: 80
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Artificial
 93 <220> FEATURE:
 94 <223> OTHER INFORMATION: Primer
 96 <400> SEQUENCE: 7
 97 atcccattcc tgaatgtggt gttaaagcta ctgagcgctt ctctcgtctc cgttctccgc  60
 99 tctgggtgca tgtcccatac                                          80
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 22
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Primer
110 <400> SEQUENCE: 8
111 gtacatggat gatatagata tg                                       22
114 <210> SEQ ID NO: 9
115 <211> LENGTH: 23
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Primer
122 <400> SEQUENCE: 9
123 gttgaaggat tcacttccgt gga                                      23
126 <210> SEQ ID NO: 10
127 <211> LENGTH: 25
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Primer
134 <400> SEQUENCE: 10
135 gcattcacag attctattgt gagtc                                    25
138 <210> SEQ ID NO: 11
139 <211> LENGTH: 26
```

RAW SEQUENCE LISTING   DATE: 01/26/2006
PATENT APPLICATION: US/10/510,189   TIME: 09:05:14

Input Set : A:\PTO.RJ.txt
Output Set: N:\CRF4\01262006\J510189.raw

```
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Primer
146 <400> SEQUENCE: 11
147 gtttcatcag aaatgactcc atgaaa                                    26
150 <210> SEQ ID NO: 12
151 <211> LENGTH: 39
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Primer
158 <400> SEQUENCE: 12
159 cggggtaccc gacgaacaag gaactgtagc agaggcatc                      39
162 <210> SEQ ID NO: 13
163 <211> LENGTH: 38
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Primer
170 <400> SEQUENCE: 13
171 aactgcagtt gttcgtatgt cataaattct ttaattat                       38
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Primer
182 <400> SEQUENCE: 14
183 caactctctt cttgattacc                                           20
186 <210> SEQ ID NO: 15
187 <211> LENGTH: 19
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Primer
194 <400> SEQUENCE: 15
195 cgatcaaagt caatctatg                                            19
198 <210> SEQ ID NO: 16
199 <211> LENGTH: 18
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Primer
206 <400> SEQUENCE: 16
207 gataccgatc acgttcta                                             18
210 <210> SEQ ID NO: 17
211 <211> LENGTH: 18
212 <212> TYPE: DNA
```

RAW SEQUENCE LISTING   DATE: 01/26/2006
PATENT APPLICATION: US/10/510,189   TIME: 09:05:14

Input Set : **A:\PTO.RJ.txt**
Output Set: **N:\CRF4\01262006\J510189.raw**

```
213 <213> ORGANISM: Artificial
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Primer
218 <400> SEQUENCE: 17
219 ggatatgatt atgtagag                                          18
222 <210> SEQ ID NO: 18
223 <211> LENGTH: 21
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Primer
230 <400> SEQUENCE: 18
231 ctggataaat acgaggacgt g                                      21
234 <210> SEQ ID NO: 19
235 <211> LENGTH: 20
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Primer
242 <400> SEQUENCE: 19
243 gacaattatc cgacgcaccg                                        20
246 <210> SEQ ID NO: 20
247 <211> LENGTH: 24
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Primer
254 <400> SEQUENCE: 20
255 cgttagacaa cacaccgacg atgg                                   24
258 <210> SEQ ID NO: 21
259 <211> LENGTH: 21
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Primer
266 <400> SEQUENCE: 21
267 cggatgaaaa atttttggaa g                                      21
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/26/2006
PATENT APPLICATION: US/10/510,189   TIME: 09:05:15

Input Set : **A:\PTO.RJ.txt**
Output Set: **N:\CRF4\01262006\J510189.raw**

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

VERIFICATION SUMMARY   DATE: 01/26/2006
PATENT APPLICATION: **US/10/510,189**   TIME: 09:05:15

Input Set : **A:\PTO.RJ.txt**
Output Set: **N:\CRF4\01262006\J510189.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date